

ABSTRACT OF THE DISCLOSURE

The invention relates to a subassembly, consisting of a drive shaft (12), a housing (10) with a through-bore (19), through which the drive shaft projects out of the housing and an axial mechanical seal consisting of a rotating seal ring (22) and a counter-ring (20) which forms a seal between the drive shaft (12) and housing (10) components.

5 The invention aims to improve the assembly of the axial mechanical seal and the thermal dissipation from said mechanical seal. To this end, the counter-ring (20) is configured as one single piece with one of the two components (10, 12). This obviates a separate assembly of the counter-ring and allows the heat produced by friction to be dissipated

10 directly into one of the two components.